

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

19249 U.S. PTO  
10/607758  
06/27/03

Applicant: Jae-Hyun Ryou et al.

Serial No.: New Application Examiner: unknown

Filing Date: June 27, 2003 Group Art: unknown

For: VCSEL HAVING THERMAL MANAGEMENT

Docket No.: H0004788 (1139.1138101)

TRANSMITTAL SHEET

Mail Stop Patent Application  
Assistant Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE UNDER 37 C.F.R. 1.10: The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service, "Express Mail Post Office to Addressee" having an Express Mail mailing label number of: EV333851539US, in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on this 27th day of June, 2003.

By Lynn Thompson  
Lynn Thompson

We are transmitting herewith the attached Patent Application including the following:

- 30 sheets of specification.
- 26 claims.
- 1 sheet of Abstract.
- 12 sheets of informal drawings.
- Executed Declaration and Power of Attorney.
- An Assignment of the invention to Honeywell International Inc. is being filed contemporaneous with this patent application.

CLAIMS AS FILED						
	(1)	(2)	SMALL ENTITY		OTHER	
FOR:	# FILED	# EXTRA	Rate	Fee	Rate	Fee
BASIC FEE				\$370		\$750
TOTAL CLAIMS	26-20 =	6	x9=	\$	x18=	\$108
INDEPENDENT CLAIMS	5-3 =	2	x42=	\$	x84=	\$168
( ) MULTIPLE DEPENDENT CLAIM PRESENTED			+140=	\$	+280=	\$0
TOTAL			\$		\$1026.00	

[X] A copy of Fee Transmittal For FY 2003 authorizing payment of \$1066.00 (\$750 filing fee) (\$276 claims) (\$40 recordation fee) to be deducted from Honeywell Deposit Account No. 01-1125.

[X] Please charge any deficiencies or credit any overpayment in the enclosed fees to Deposit Account No. 01-1125.



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<b>FEE TRANSMITTAL For FY 2003</b>		COMPLETE IF KNOWN	
Patent fees are subject to annual revision.		Application No.	New
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	June 27, 2003
TOTAL AMOUNT OF PAYMENT      \$1066.00		First Named Inventor	Jae-Hyun Ryou et al.
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
		Attorney Docket No.	H0004788 (1139.1138101)

<b>METHOD OF PAYMENT (check all that apply)</b>		<b>FEE CALCULATION (continued)</b>																																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input checked="" type="checkbox"/> Deposit Account Deposit Account Number <b>01-1125</b> Deposit Account Name <b>Honeywell International Inc</b> The Commissioner is hereby authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayment <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th></th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee \$</th> <th>Fee Code</th> <th>Fee \$</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,250</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td></tr> <tr><td>1460</td><td>130</td><td>1480</td><td>130</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td></tr> <tr><td>1808</td><td>180</td><td>1808</td><td>180</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td></tr> <tr><td>1504</td><td>300</td><td>1504</td><td>300</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2" style="text-align: right;">* Reduced by Basic Filing Fee Paid</td> <td colspan="2" style="text-align: right;">SUBTOTAL (3) \$ 40.00</td> </tr> </tbody> </table>		Large Entity	Small Entity			Fee Code	Fee \$	Fee Code	Fee \$	1051	130	2051	65	1052	50	2052	25	1053	130	1053	130	1812	2,520	1812	2,250	1804	920*	1804	920*	1805	1,840*	1805	1,840*	1251	110	2251	55	1252	410	2252	205	1253	930	2253	465	1254	1,450	2254	725	1255	1,970	2255	985	1401	320	2401	160	1402	320	2402	160	1403	280	2403	140	1451	1,510	1451	1,510	1452	110	2452	55	1453	1,300	2453	650	1501	1,300	2501	650	1502	470	2502	235	1503	630	2503	315	1460	130	1480	130	1807	50	1807	50	1808	180	1808	180	8021	40	8021	40	1809	750	2809	375	1810	750	2810	375	1801	750	2801	375	1802	900	1802	900	1504	300	1504	300	Other fee (specify) _____				* Reduced by Basic Filing Fee Paid		SUBTOTAL (3) \$ 40.00	
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<b>SUBMITTED BY</b>		Complete (if applicable)	
Name (Print / Type)	Andrew A. Abeyta	Registration No. (Attorney/Agent)	39,582
Signature	<i>AA</i>		
Date	6-26-03		

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